

Water-Data Report UT-2005

**09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT**

Virgin River Basin

LOCATION.--Lat 37°12'07", long 113°17'27" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.23, T.41 S., R.13 W., Washington County, Hydrologic Unit 15010008, on right bank. Located 0.2 mi downstream from Ash Creek and 1 mi west of LaVerkin.

DRAINAGE AREA.--1290. mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--April 2004 to January 2005 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,980 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated flows, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,200 ft<sup>3</sup>/s, Jan 11, 2005, gage height, 18.06 ft, from rating curve extended above 250 ft<sup>3</sup>/s on basis of peak computed discharge at station 09408150 about 8 mi downstream; minimum daily discharge, 18 ft<sup>3</sup>/s, Jul 14, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,200 ft<sup>3</sup>/s, Jan 11, gage height, 18.06 ft; minimum daily discharge, 55 ft<sup>3</sup>/s, Oct 14.

## 09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[e, estimated]

| Day          | Oct    | Nov    | Dec   | Jan     | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|--------|--------|-------|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| 1            | 74     | 180    | 81    | 170     | --- | --- | --- | --- | --- | --- | --- | --- |
| 2            | 67     | 169    | 78    | 150     | --- | --- | --- | --- | --- | --- | --- | --- |
| 3            | 64     | 170    | 78    | 155     | --- | --- | --- | --- | --- | --- | --- | --- |
| 4            | 61     | 151    | 77    | 210     | --- | --- | --- | --- | --- | --- | --- | --- |
| 5            | 88     | 137    | 78    | 173     | --- | --- | --- | --- | --- | --- | --- | --- |
| 6            | 90     | 126    | 78    | 117     | --- | --- | --- | --- | --- | --- | --- | --- |
| 7            | 92     | 123    | 82    | 109     | --- | --- | --- | --- | --- | --- | --- | --- |
| 8            | 66     | 1,630  | 85    | 372     | --- | --- | --- | --- | --- | --- | --- | --- |
| 9            | 68     | 678    | 77    | 7,960   | --- | --- | --- | --- | --- | --- | --- | --- |
| 10           | 72     | 358    | 79    | 16,200  | --- | --- | --- | --- | --- | --- | --- | --- |
| 11           | 73     | 316    | 80    | e18,000 | --- | --- | --- | --- | --- | --- | --- | --- |
| 12           | 72     | 302    | 82    | e5,600  | --- | --- | --- | --- | --- | --- | --- | --- |
| 13           | 56     | 210    | 83    | e1,600  | --- | --- | --- | --- | --- | --- | --- | --- |
| 14           | 55     | 173    | 86    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 15           | 56     | e120   | 83    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 16           | 60     | e82    | 81    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 17           | 61     | 76     | 80    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 18           | 82     | 77     | 84    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 19           | 112    | 92     | 87    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 20           | 2,190  | 98     | 83    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 21           | 4,660  | 111    | 84    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 22           | 1,230  | 189    | 85    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 23           | 470    | 132    | 82    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 24           | 378    | 83     | 82    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 25           | 299    | 83     | 87    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 26           | 228    | 72     | 98    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 27           | 470    | 65     | 90    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 28           | 1,140  | 288    | 95    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 29           | 349    | 80     | 1,220 | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 30           | 193    | 76     | 403   | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| 31           | 215    | ---    | 163   | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| <b>Total</b> | 13,191 | 6,447  | 4,111 | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| <b>Mean</b>  | 426    | 215    | 133   | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| <b>Max</b>   | 4,660  | 1,630  | 1,220 | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| <b>Min</b>   | 55     | 65     | 77    | ---     | --- | --- | --- | --- | --- | --- | --- | --- |
| <b>Ac-ft</b> | 26,160 | 12,790 | 8,150 | ---     | --- | --- | --- | --- | --- | --- | --- | --- |

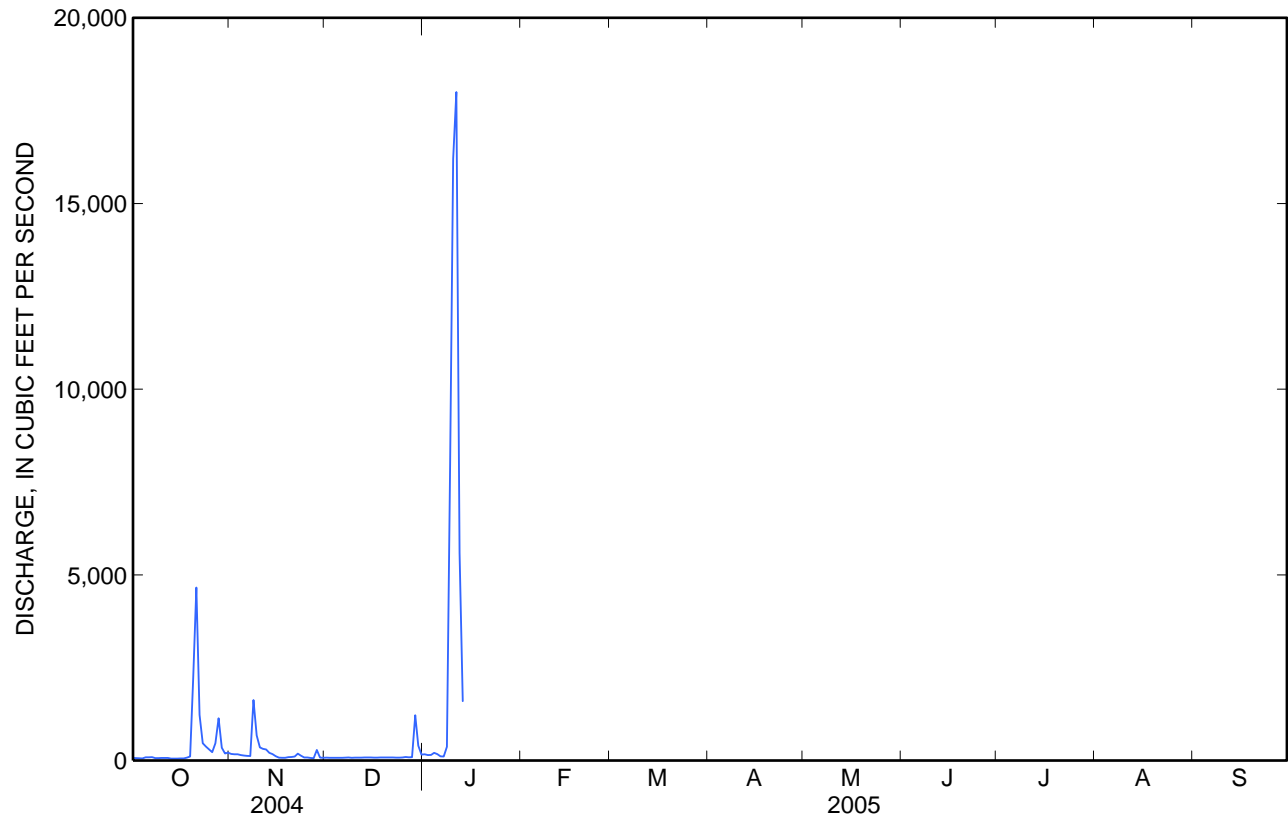
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

|             | Oct    | Nov    | Dec    | Jan   | Feb   | Mar   | Apr   | May    | Jun    | Jul    | Aug    | Sep    |
|-------------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| <b>Mean</b> | 426    | 215    | 133    | ---   | ---   | ---   | ---   | 72.5   | 42.1   | 38.6   | 50.4   | 42.2   |
| <b>Max</b>  | 426    | 215    | 133    | ---   | ---   | ---   | ---   | 128    | 55     | 166    | 116    | 105    |
| <b>(WY)</b> | (2005) | (2005) | (2005) | (---) | (---) | (---) | (---) | (2004) | (2004) | (2004) | (2004) | (2004) |
| <b>Min</b>  | 426    | 215    | 133    | ---   | ---   | ---   | ---   | 55     | 21     | 18     | 26     | 21     |
| <b>(WY)</b> | (2005) | (2005) | (2005) | (---) | (---) | (---) | (---) | (2004) | (2004) | (2004) | (2004) | (2004) |

## SUMMARY STATISTICS

| Water Years 2004 - 2005         |        |              |
|---------------------------------|--------|--------------|
| <b>Highest daily mean</b>       | 18,000 | Jan 11, 2005 |
| <b>Lowest daily mean</b>        | 18     | Jul 14, 2004 |
| <b>Annual seven-day minimum</b> | 26     | Sep 3, 2004  |

09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT—Continued



**09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--October 2004 to January 2005 (discontinued).

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: October 2004 to January 2005.

SPECIFIC CONDUCTANCE: October 2004 to January 2005

WATER TEMPERATURE: October 2004 to January 2005.

TURBIDITY: October 2004 to January 2005.

INSTRUMENTATION.—Water-quality monitor from October 2004 to January 2005.

REMARKS.--Dissolved oxygen records poor. Specific conductivity records fair. Temperature records good. Turbidity records poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

DISSOLVED OXYGEN: Maximum, 12.0 mg/L, Dec. 29, 30, 2004; minimum, 8.2 mg/L, Dec 29, 2004.

SPECIFIC CONDUCTANCE: Maximum, 4,840 microsiemens/cm, Oct 15, 2004; minimum, 130 microsiemens/cm, Nov 8, 2004.

WATER TEMPERATURE: Maximum, 22.2°C, Oct 4, 2004; minimum, 2.5°C, Jan 8, 2005.

TURBIDITY: Maximum, 1,100 FNU, Nov 11, 2004; minimum, 5.0 FNU, Nov 24, 2004.

EXTREMES FOR CURRENT YEAR.--

DISSOLVED OXYGEN: Maximum, 12.0 mg/L, Dec. 29, 30; minimum, 8.2 mg/L, Dec 29.

SPECIFIC CONDUCTANCE: Maximum, 4,840 microsiemens/cm, Oct 15; minimum, 130 microsiemens/cm, Nov 8.

WATER TEMPERATURE: Maximum, 22.2°C, Oct 4, 2004; minimum, 2.5°C, Jan 8.

TURBIDITY: Maximum, 1,100 FNU, Nov 11; minimum, 5.0 FNU, Nov 24.

## 09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Day   | Max     | Min | Mean | Max      | Min  | Mean | Max      | Min  | Mean | Max     | Min  | Mean |
|-------|---------|-----|------|----------|------|------|----------|------|------|---------|------|------|
|       | October |     |      | November |      |      | December |      |      | January |      |      |
| 1     | ---     | --- | ---  | ---      | ---  | ---  | 11.5     | 10.8 | 11.3 | 11.1    | 9.7  | 10.5 |
| 2     | ---     | --- | ---  | ---      | ---  | ---  | 11.3     | 10.8 | 11.1 | ---     | ---  | ---  |
| 3     | ---     | --- | ---  | 10.3     | 9.5  | 9.9  | 11.4     | 10.8 | 11.1 | ---     | ---  | ---  |
| 4     | ---     | --- | ---  | 10.0     | 9.3  | 9.7  | 11.3     | 10.7 | 11.0 | 11.3    | 8.8  | 10.6 |
| 5     | ---     | --- | ---  | 9.8      | 9.1  | 9.5  | 11.1     | 10.6 | 10.8 | 11.4    | 10.8 | 11.1 |
| 6     | ---     | --- | ---  | 9.6      | 8.9  | 9.3  | 10.6     | 9.9  | 10.4 | 11.0    | 10.6 | 10.8 |
| 7     | ---     | --- | ---  | 9.4      | 9.1  | 9.3  | 10.3     | 10.0 | 10.2 | 11.3    | 10.9 | 11.2 |
| 8     | ---     | --- | ---  | ---      | ---  | ---  | 11.6     | 9.5  | 9.9  | 11.2    | 11.1 | 11.1 |
| 9     | ---     | --- | ---  | 10.7     | 9.8  | 10.4 | 9.6      | 9.3  | 9.5  | ---     | ---  | ---  |
| 10    | ---     | --- | ---  | 10.7     | 9.9  | 10.3 | 9.9      | 9.4  | 9.6  | ---     | ---  | ---  |
| 11    | ---     | --- | ---  | 10.3     | 9.8  | 10.0 | 9.8      | 9.3  | 9.5  | ---     | ---  | ---  |
| 12    | ---     | --- | ---  | 10.4     | 9.7  | 10   | 9.8      | 9.3  | 9.6  | ---     | ---  | ---  |
| 13    | ---     | --- | ---  | 10.0     | 9.6  | 9.8  | 9.9      | 9.4  | 9.6  | ---     | ---  | ---  |
| 14    | ---     | --- | ---  | 10.1     | 9.5  | 9.8  | 10.0     | 9.4  | 9.7  | ---     | ---  | ---  |
| 15    | ---     | --- | ---  | 10.0     | 9.1  | 9.5  | 9.9      | 8.8  | 9.5  | ---     | ---  | ---  |
| 16    | ---     | --- | ---  | 9.5      | ---  | 8.8  | ---      | ---  | ---  | ---     | ---  | ---  |
| 17    | ---     | --- | ---  | ---      | ---  | ---  | ---      | ---  | ---  | ---     | ---  | ---  |
| 18    | ---     | --- | ---  | ---      | ---  | ---  | ---      | ---  | ---  | ---     | ---  | ---  |
| 19    | ---     | --- | ---  | ---      | ---  | ---  | ---      | ---  | ---  | ---     | ---  | ---  |
| 20    | 9.7     | 8.3 | 9.1  | ---      | ---  | ---  | ---      | ---  | ---  | ---     | ---  | ---  |
| 21    | ---     | --- | ---  | ---      | ---  | ---  | ---      | ---  | ---  | ---     | ---  | ---  |
| 22    | 10.4    | 8.7 | ---  | ---      | ---  | ---  | ---      | ---  | ---  | ---     | ---  | ---  |
| 23    | 9.9     | --- | ---  | 10.9     | 10.1 | 10.5 | 9.0      | ---  | ---  | ---     | ---  | ---  |
| 24    | ---     | --- | ---  | 10.7     | 9.9  | 10.4 | ---      | ---  | ---  | ---     | ---  | ---  |
| 25    | ---     | --- | ---  | 10.6     | 9.5  | 10.4 | ---      | ---  | ---  | ---     | ---  | ---  |
| 26    | ---     | --- | ---  | 10.6     | 9.7  | 10.3 | ---      | ---  | ---  | ---     | ---  | ---  |
| 27    | 10.0    | 8.8 | 9.3  | 10.4     | 9.8  | 10.1 | ---      | ---  | ---  | ---     | ---  | ---  |
| 28    | 10.8    | 9.0 | 10.4 | 11.6     | 9.3  | 11.2 | ---      | ---  | ---  | ---     | ---  | ---  |
| 29    | 10.8    | 9.1 | 10.2 | 11.4     | 11.1 | 11.3 | 12.0     | 8.2  | 10.9 | ---     | ---  | ---  |
| 30    | ---     | --- | ---  | 11.5     | 11.0 | 11.3 | 12.0     | 9.7  | 11.4 | ---     | ---  | ---  |
| 31    | ---     | --- | ---  | ---      | ---  | ---  | 11.2     | 10.0 | 10.7 | ---     | ---  | ---  |
| Month | 10.8    | 8.3 | 9.8  | 11.6     | 8.9  | 10.1 | 12.0     | 8.2  | 10.3 | 11.4    | 8.8  | 10.9 |

## 09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Day   | Max     | Min   | Mean  | Max      | Min   | Mean  | Max      | Min   | Mean  | Max     | Min   | Mean  |
|-------|---------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|
|       | October |       |       | November |       |       | December |       |       | January |       |       |
| 1     | 2,080   | 1,470 | 1,770 | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 2     | ---     | ---   | ---   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 3     | ---     | ---   | ---   | 1,810    | 1,490 | 1,630 | ---      | ---   | ---   | ---     | ---   | ---   |
| 4     | ---     | ---   | ---   | 1,870    | 1,720 | 1,770 | ---      | ---   | ---   | ---     | ---   | ---   |
| 5     | ---     | ---   | ---   | 1,970    | 1,740 | 1,860 | ---      | ---   | ---   | 1,400   | ---   | ---   |
| 6     | ---     | ---   | ---   | 2,100    | 1,880 | 1,970 | ---      | ---   | ---   | 1,820   | 1,400 | 1,610 |
| 7     | ---     | ---   | ---   | 1,980    | 1,640 | 1,920 | ---      | ---   | ---   | 1,470   | ---   | ---   |
| 8     | 3,060   | ---   | ---   | 1,730    | 130   | 656   | 1,650    | ---   | ---   | ---     | ---   | ---   |
| 9     | 3,120   | 2,480 | 2,680 | 583      | 374   | 475   | 1,710    | 1,410 | 1,620 | ---     | ---   | ---   |
| 10    | 2,700   | 2,370 | 2,540 | 741      | 573   | 648   | 1,410    | ---   | ---   | ---     | ---   | ---   |
| 11    | 2,680   | 1,950 | 2,480 | 1,290    | 732   | 792   | ---      | ---   | ---   | ---     | ---   | ---   |
| 12    | 2,680   | 1,510 | 2,400 | 1,070    | 748   | 869   | ---      | ---   | ---   | ---     | ---   | ---   |
| 13    | 3,840   | 1,910 | 2,550 | 1,100    | 937   | 1,020 | ---      | ---   | ---   | ---     | ---   | ---   |
| 14    | 3,980   | 2,720 | 3,150 | 1,310    | 1,100 | 1,170 | ---      | ---   | ---   | ---     | ---   | ---   |
| 15    | 4,840   | 2,830 | 3,170 | 2,200    | 1,280 | 1,600 | ---      | ---   | ---   | ---     | ---   | ---   |
| 16    | 3,220   | 2,660 | 2,940 | 2,640    | 2,070 | 2,220 | ---      | ---   | ---   | ---     | ---   | ---   |
| 17    | 3,320   | 2,320 | 2,970 | 2,770    | 2,280 | 2,570 | ---      | ---   | ---   | ---     | ---   | ---   |
| 18    | 2,520   | 2,020 | 2,340 | 2,650    | 1,670 | 2,340 | ---      | ---   | ---   | ---     | ---   | ---   |
| 19    | 2,240   | 1,200 | 1,820 | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 20    | 1,720   | 149   | 511   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 21    | 498     | 201   | 458   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 22    | 599     | 207   | 438   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 23    | 835     | 573   | 696   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 24    | 968     | 813   | 892   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 25    | 1,220   | 936   | 1,030 | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 26    | 1,240   | 1,060 | 1,130 | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 27    | 1,600   | 145   | 1,100 | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 28    | 624     | 148   | 377   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 29    | 909     | 462   | 662   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 30    | 1,130   | 784   | 959   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| 31    | ---     | ---   | ---   | ---      | ---   | ---   | ---      | ---   | ---   | ---     | ---   | ---   |
| Month | 4,840   | 145   | 1,700 | 2,770    | 130   | 1,470 | 1,710    | 1,410 | 1,620 | 1,820   | 1,400 | 1,610 |

## 09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

| Day   | Max     | Min  | Mean | Max      | Min  | Mean | Max      | Min  | Mean | Max     | Min  | Mean |
|-------|---------|------|------|----------|------|------|----------|------|------|---------|------|------|
|       | October |      |      | November |      |      | December |      |      | January |      |      |
| 1     | 21.5    | 17.3 | 19.4 | ---      | ---  | ---  | 9.1      | 6.4  | 7.2  | 9.4     | 6.6  | 7.9  |
| 2     | 21.9    | 17.6 | 19.8 | ---      | ---  | ---  | 9.0      | 6.8  | 7.5  | 10.5    | 8.5  | 9.4  |
| 3     | 22.0    | 17.9 | 19.9 | 12.4     | 9.1  | 10.6 | 9.4      | 6.8  | 7.7  | 11.4    | 10.0 | 10.8 |
| 4     | 22.2    | 17.6 | 19.8 | 13.6     | 10.3 | 11.6 | 9.3      | 6.9  | 7.8  | 11.2    | 6.9  | 8.7  |
| 5     | 20.7    | 17.5 | 19.3 | 14.5     | 11.0 | 12.5 | 9.7      | 7.3  | 8.4  | 8.8     | 6.7  | 7.8  |
| 6     | 19.9    | 16.8 | 18.4 | 15.3     | 11.6 | 13.0 | 11.8     | 9.1  | 9.8  | 9.7     | 7.9  | 8.6  |
| 7     | 19.2    | 15.9 | 17.9 | 13.7     | 12.5 | 13.2 | 10.4     | 9.6  | 10.0 | 7.9     | 6.6  | 7.2  |
| 8     | 21.4    | 16.7 | 19.1 | 13.3     | 8.2  | 10.8 | 11.6     | 9.8  | 10.7 | 7.8     | 2.5  | 6.3  |
| 9     | 20.6    | 17.1 | 19.2 | 11.6     | 7.9  | 8.9  | 14.0     | 11.5 | 12.2 | ---     | ---  | ---  |
| 10    | 19.6    | 18.0 | 18.7 | 10.6     | 7.9  | 9.4  | 13.4     | 10.7 | 11.8 | ---     | ---  | ---  |
| 11    | 19.1    | 16.8 | 18.1 | 11.2     | 9.4  | 10.3 | 13.8     | 10.7 | 11.9 | ---     | ---  | ---  |
| 12    | 20.5    | 16.5 | 18.7 | 11.1     | 8.6  | 10.0 | 13.7     | 10.6 | 11.8 | ---     | ---  | ---  |
| 13    | 20.6    | 16.8 | 18.7 | 11.8     | 9.9  | 10.7 | 13.7     | 10.4 | 11.7 | ---     | ---  | ---  |
| 14    | 20.5    | 16.1 | 18.3 | 12.0     | 9.9  | 10.8 | 13.7     | 10.4 | 11.7 | ---     | ---  | ---  |
| 15    | 20.7    | 15.8 | 18.0 | 13.3     | 10.1 | 11.7 | 12.9     | 10.5 | 11.2 | ---     | ---  | ---  |
| 16    | 18.8    | 15.3 | 17.2 | 15.2     | 11.5 | 12.6 | 13.3     | 10.4 | 11.2 | ---     | ---  | ---  |
| 17    | 18.0    | 16.4 | 16.9 | 15.0     | 11.4 | 12.9 | 12.6     | 9.5  | 10.8 | ---     | ---  | ---  |
| 18    | 16.7    | 15.8 | 16.2 | 15.1     | 11.5 | 13.0 | 12.9     | 9.6  | 10.8 | ---     | ---  | ---  |
| 19    | 16.1    | 15.6 | 15.8 | 13.2     | 11.0 | 11.9 | 12.0     | 9.3  | 10.3 | ---     | ---  | ---  |
| 20    | 16.0    | 10.8 | 11.9 | 12.4     | 9.8  | 11.0 | 12.8     | 9.4  | 10.7 | ---     | ---  | ---  |
| 21    | 11.9    | 9.5  | 11.3 | 10.9     | 9.0  | 9.6  | 11.9     | 9.3  | 10.6 | ---     | ---  | ---  |
| 22    | 11.7    | 8.5  | 9.7  | 9.6      | 7.8  | 8.8  | 10.5     | 7.8  | 8.8  | ---     | ---  | ---  |
| 23    | 12.1    | 9.0  | 10.6 | 11.0     | 8.0  | 9.4  | 10.0     | 6.8  | 8.2  | ---     | ---  | ---  |
| 24    | 13.8    | 11.8 | 12.6 | 12.2     | 9.3  | 10.2 | 10.2     | 7.1  | 8.3  | ---     | ---  | ---  |
| 25    | 14.6    | 12.7 | 13.4 | 11.7     | 9.6  | 10.4 | 10.6     | 7.5  | 8.5  | ---     | ---  | ---  |
| 26    | 13.8    | 12.7 | 13.2 | 12.7     | 10.2 | 11.1 | 9.6      | 7.9  | 8.8  | ---     | ---  | ---  |
| 27    | 13.8    | 8.6  | 12.4 | 12.9     | 10.9 | 11.8 | 12.2     | 9.6  | 10.7 | ---     | ---  | ---  |
| 28    | 11.0    | 7.3  | 8.2  | 11.7     | 6.9  | 7.9  | 12.6     | 11.3 | 11.9 | ---     | ---  | ---  |
| 29    | 10.9    | 7.3  | 9.0  | 8.8      | 6.6  | 7.2  | 11.8     | 5.2  | 6.9  | ---     | ---  | ---  |
| 30    | 12.0    | 8.5  | 9.9  | 9.3      | 6.5  | 7.5  | 10.1     | 4.7  | 6.2  | ---     | ---  | ---  |
| 31    | 11.5    | 9.4  | 10.3 | ---      | ---  | ---  | 9.0      | 7.0  | 8.0  | ---     | ---  | ---  |
| Month | 22.2    | 7.3  | 15.5 | 15.3     | 6.5  | 10.7 | 14.0     | 4.7  | 9.7  | 11.4    | 2.5  | 8.3  |

## 09407810 VIRGIN RIVER BELOW ASH CREEK, NEAR LAVERKIN, UT—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Day   | Max     | Min | Mean | Max      | Min | Mean | Max      | Min | Mean | Max     | Min | Mean |
|-------|---------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
|       | October |     |      | November |     |      | December |     |      | January |     |      |
| 1     | 200     | --- | ---  | ---      | --- | ---  | 130      | 20  | 38   | 550     | 60  | 220  |
| 2     | ---     | --- | ---  | 200      | --- | ---  | 60       | 18  | 27   | ---     | --- | ---  |
| 3     | ---     | --- | ---  | 220      | 42  | 86   | 50       | 14  | 25   | ---     | --- | ---  |
| 4     | ---     | --- | ---  | 250      | 48  | 76   | 39       | 11  | 20   | ---     | --- | ---  |
| 5     | ---     | --- | ---  | 140      | 41  | 63   | 28       | 12  | 19   | ---     | --- | ---  |
| 6     | ---     | --- | ---  | 130      | 35  | 49   | 140      | 14  | 24   | 120     | 55  | 77   |
| 7     | ---     | --- | ---  | 240      | 33  | 62   | 64       | 11  | 20   | 96      | 38  | 60   |
| 8     | 190     | --- | ---  | ---      | --- | ---  | 50       | 15  | 22   | ---     | 40  | ---  |
| 9     | 160     | --- | ---  | ---      | --- | ---  | 25       | 9.0 | 17   | ---     | --- | ---  |
| 10    | ---     | --- | ---  | 860      | 320 | 530  | 40       | 9.0 | 15   | ---     | --- | ---  |
| 11    | ---     | --- | ---  | 1,100    | 180 | 300  | 40       | 9.0 | 15   | ---     | --- | ---  |
| 12    | ---     | --- | ---  | 1,000    | 100 | 430  | 21       | 8.0 | 14   | ---     | --- | ---  |
| 13    | ---     | --- | ---  | 140      | 48  | 78   | 19       | 7.0 | 13   | ---     | --- | ---  |
| 14    | ---     | --- | ---  | 62       | 42  | 52   | 27       | 8.0 | 14   | ---     | --- | ---  |
| 15    | ---     | --- | ---  | 130      | 34  | 48   | 180      | 10  | 22   | ---     | --- | ---  |
| 16    | ---     | --- | ---  | 150      | --- | ---  | 64       | 9.0 | 16   | ---     | --- | ---  |
| 17    | ---     | --- | ---  | 110      | --- | ---  | 22       | 8.0 | 12   | ---     | --- | ---  |
| 18    | ---     | --- | ---  | 330      | 29  | 51   | 21       | 7.0 | 14   | ---     | --- | ---  |
| 19    | ---     | --- | ---  | ---      | --- | ---  | 27       | 7.0 | 13   | ---     | --- | ---  |
| 20    | ---     | --- | ---  | ---      | --- | ---  | 61       | 8.0 | 15   | ---     | --- | ---  |
| 21    | ---     | --- | ---  | ---      | --- | ---  | 25       | 7.0 | 14   | ---     | --- | ---  |
| 22    | ---     | --- | ---  | ---      | --- | ---  | 65       | 8.0 | 18   | ---     | --- | ---  |
| 23    | ---     | --- | ---  | 17       | 6.0 | 8.9  | 55       | 10  | 17   | ---     | --- | ---  |
| 24    | ---     | --- | ---  | 130      | 5.0 | 39   | 25       | 8.0 | 15   | ---     | --- | ---  |
| 25    | 320     | 120 | 230  | 120      | 19  | 34   | 170      | 9.0 | 32   | ---     | --- | ---  |
| 26    | 380     | 67  | 160  | 38       | 15  | 26   | 55       | 15  | 30   | ---     | --- | ---  |
| 27    | 300     | 66  | 100  | 200      | 14  | 28   | 32       | 10  | 19   | ---     | --- | ---  |
| 28    | ---     | --- | ---  | ---      | 57  | ---  | 120      | 8.0 | 26   | ---     | --- | ---  |
| 29    | 1,000   | 430 | 720  | 180      | 56  | 100  | ---      | --- | ---  | ---     | --- | ---  |
| 30    | 940     | 160 | 360  | 240      | 26  | 55   | ---      | --- | ---  | ---     | --- | ---  |
| 31    | ---     | --- | ---  | ---      | --- | ---  | ---      | 78  | ---  | ---     | --- | ---  |
| Month | 1,000   | 66  | 310  | 1,100    | 5.0 | 110  | 180      | 7.0 | 20   | 550     | 38  | 120  |